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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/003,013	11/02/2001	Stephen G. Price	BLD920010005US1	3334

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EXAMINER

TANG, KAREN C

ART UNIT PAPER NUMBER

2151

DATE MAILED: 08/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/003,013

Applicant(s)

PRICE ET AL.

Examiner

Karen C. Tang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 11/2/01.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

- This action is responsive to the amendment and remarks file on 6/13/05..
- Claims 1-31 are presented for further examination.
- The text of those sections of Title 35, U.S. code not included in this office action can be found in a prior office action.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

I. Claims 1, 3-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Mandel (US 5,435,544).

1. Referring to Claims 1 and 22, Mandel discloses a printer operator (operator, refer to Col 5, Lines 15-35) interface (LCD, refer to Col 27, Lines 30-40 and refer to Fig 19, display "please enter ID"),
generating a printer operator display dataset (messages, refer to Col 1, Lines 40-55) in a processor (server, it is inherent that the printer server consists of processor, refer to Col 1, Lines 25-55) within a printer (refer to Title),

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wherein the operator (refer to Col 7, Lines 25-67) display dataset (messages, refer to Col 1, Lines 40-55) defines a printer operator interface display and wherein the display dataset conforms to a network protocol (refer to Col 29, Lines 1-30), interpreting (the system generate the message back to the terminal, so that the terminal can interpreting the message and display on the display, refer to Col 1, Lines 35-55), through use of the network protocol (it is inherent that the network generating the protocol and sending the message is utilizing the message protocol, furthermore, the attorney indicate on the remark/argument that "It is well-known in the art that printers and other devices provide indicators of status via built-in lights and or text or graphics displays, and that network-connected devices also provide status over the network using any number of standard (e.g., SMTP, SNMP, HTTP) or proprietary network protocol provide a means of user input to control or adjust the printer or other device), the printer operator display dataset within the printer (refer to Col 29, Lines 20-30), and displaying the operator interface display on a display on the printer (refer to Col 29, Lines 10-20).

2. Referring to Claims 3, 20, 14, and 30, Mandel indicates wherein the operator display dataset (voice message, refer to Col 29, Lines 20-35) comprises data for one or more of a video, an image, a sound file (voice message) and an animation display (refer to Col 29, Lines 10-35).

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3. Referring to Claims 4, 15, and 25, Mandel indicates wherein the step of generating the operator display dataset (status message, refer to Col 29, Lines 10-30) is performed in response to a change in an operating parameter (one of the parameters is to indicate when "when paper is run out") within the printer (refer to Title).

4. Referring to Claims 5, 16, and 26, Mandel indicates wherein the operating parameter is categorized as at least one of a priority parameter (paper out or paper jams, refer to Col 29, Lines 10-20), a paper jam indicator and an out of paper indicator (refer to Col 31, Lines 1-11).

5. Referring to Claim 6, 17, and 27, Mandel indicates wherein the step of generating is repetitively performed at a time period (refer to Col 30, Lines 55-65, Col 29, Lines 35-47).

6. Referring to Claims 7, 18, and 28, Mandel indicates wherein the time period is adjusted (interrogation, Col 30, Lines 55-67, also see fig 20, there is a "time delay" which indicates that there is a certain time period which the printing job needs to be done via printer) according to at least one of an operating state of the printer and an error state (bin empty) of the printer (refer to Col 30, Lines 55-65).

7. Referring to Claim 8, Mandel indicates accepting an operator input (voice input alternatives, refer to Col 27, Lines 30-50) for the printer through means associated with

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the operator interface display (LCD, refer to Col 27, Lines 30-67), and controlling a function within the printer in response to the operator input (Col 27, Lines 40-67).

8. Referring to Claim 9, Mandel indicates wherein the function comprises generating an additional operator interface display (refer to Col 28, Lines 50-67, and Fig 19, "Error Try Again").

9. Referring to Claim 10, 21, 24, and 31, Mandel indicates wherein the step of accepting utilizes at least one of a pointing device, a keyboard, handwriting recognition, and a touchscreen input (refer to Col 27, Lines 30-40).

10 . Referring to Claim 11, Mandel indicates generating an operator display dataset (messages, refer to Col 1, Lines 40-55) within a computer controller (operator, refer to Col 5, Lines 15-35) wherein the operator display dataset defines an operator interface display and wherein the display dataset conforms to a network protocol (refer to Col 18, Lines 40-60, and Col 19, Lines 35-67);

interpreting (the system generate the message back to the terminal, so that the terminal can interpreting the message and display on the display, refer to Col 1, Lines 35-55), (it is inherent that the network generating the protocol and sending the message is utilizing the message protocol, furthermore, the attorney indicate on the remark/argument that "It is well-known in the art that printers and other devices provide indicators of status via built-in lights and or text or graphics displays, and that network-connected devices also

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provide status over the network using any number of standard (e.g., SMTP, SNMP, HTTP) or proprietary network protocol provide a means of user input to control or adjust the printer or other device), the operator display dataset within the computer controller', and displaying the operator interface display (refer to Col 29, Lines 20-30).

11. Referring to Claim 12, Mandel indicates an operator display dataset generator (printer server, refer to Col 8, Lines 30-67) for generating a display dataset (messages, refer to Col 1, Lines 40-55), wherein the display dataset defines an operator interface display (LCD, refer to Col 27, Lines 30-67) and wherein the display dataset conforms to a network protocol (refer to Col 18, Lines 40-60, and Col 19, Lines 35-67), a display dataset interpreter, communicatively coupled to the operator display dataset generator (printer server, refer to Col 8, Lines 30-67), for interpreting (the system generate the message back to the terminal, so that the terminal can interpreting the message and display on the display, refer to Col 1, Lines 35-55), through use of the network protocol (it is inherent that the network generating the protocol and sending the message is utilizing the message protocol, furthermore, the attorney indicate on the remark/argument that "It is well-known in the art that printers and other devices provide indicators of status via built-in lights and or text or graphics displays, and that network-connected devices also provide status over the network using any number of standard (e.g., SMTP, SNMP, HTTP) or proprietary network protocol provide a means of user input to control or adjust the printer or other device), the operator display dataset, wherein the display dataset interpreter (print, image processor, refer to Col 8, Lines 30-

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40) is contained within the printer', and an operator interface display, electronically (it is inherent that the display is electronically coupled with the interpreter) coupled to the display dataset interpreter (print, image processor, refer to Col 8, Lines 30-40), for displaying the operator interface display (refer to Fig 18 and 19).

12. Referring to Claim 19, Mandel indicates an operator input device (keypad, refer to Col 27, Lines 30-40) for accepting an operator input, wherein the operator input is associated with the operator interface display (refer to Fig 19); and a device controller (processor, it is inherently that printer server consists of processor, refer to Col 1, Lines 25-55), communicatively coupled to the operator input, for controlling a function (indicate which printing job associate with which print user, refer to Fig 19) within the printer in response to the operator input ("entered ID#" refer to Fig 19).

13. Referring to Claim 29, Mandel indicates accepting an operator input associated with the operator interface display (refer to Fig 19, "Is the ID# entered prereigstered?" → "Does the user have a job in one of the bins"), and controlling a function within the printer in response to the operator input (Fig 19 functionality occurs within the printers, Col 16, Lines 20-30).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

II. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mandel (US 5,435,544) in view of Hammond et al hereinafter Hammond (US 6,820,067).

1. Referring to Claims, 2, 13, and 23,

Mandel indicates the use of network protocol (refer to Col 18, Lines 40-60)

Mandel does not expressly indicate the network protocol is a Hyper Text Transfer Protocol (HTTP).

Hammond indicates the network protocol is using HTTP (refer to Col 2, Lines 45-67) US 6,820,067

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Mandel and Hammond inventions.

The suggestion/innovation for doing so would have been that Mandel mentioned usage of different network protocols, and the most common protocol is HTTP. HTTP is being use worldwide and is easily applied at different hardware and software, and easily implemented as well.

Response to Arguments

Applicant's arguments filed 6/13/05, have been fully considered but they are not persuasive.

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- 1) In the remark, the applicant argued that Mandel does not teach or suggest using this network protocol within the device to create a display. As a result, Mandel does not disclose "interpreting, through use of the network protocol, the printer operator display.
- 2) Examiner respectfully traverse the argument: Please see the detail action above.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen C. Tang whose telephone number is (571)272-3116. The examiner can normally be reached on M-F 7 - 3.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571)272-3939. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Karen Tang

8/17/05


ZARNI MAUNG
SUPERVISORY PATENT EXAMINER